

CLAIMS

1. An analysis apparatus for emitting detection light to an analysis optical disc and reading a state of an analysis
5 object disposed in a part of the analysis optical disc, wherein

the analysis apparatus comprises a control unit as a power control system of a laser device for generating laser light emitted to the analysis optical disc, wherein

10 the control unit has a first switching state in which an output of the laser light is detected by a monitor light-receiving element and feedback is performed in such a way that the monitor light-receiving element has a constant value, and a second switching state in which feedback is
15 performed in such a way that a detection signal of laser light has a constant average value, the laser light having been emitted to the analysis optical disc and reflected thereon or passed therethrough, and

the control unit switches the power control system to
20 the first switching state until a reading position of the analysis object in the analysis optical disc is detected, and switches the power control system to the second switching state at the reading position of the analysis object in the analysis optical disc.

25 2. The analysis apparatus according to claim 1, wherein the control unit detects a mark disposed immediately in front of the reading position of the analysis optical disc and switches the power control system of the laser device to the second
30 switching state.

3. The analysis apparatus according to claim 1, wherein the control unit detects a mark disposed immediately in front of the reading position of the analysis optical disc, switches
35 the power control system of the laser device to the second

switching state, and returns the power control system to the first switching state after detecting a lapse of specified time.

5 4. The analysis apparatus according to claim 1, wherein the control unit detects a mark disposed immediately in front of the reading position of the analysis optical disc, switches the power control system of the laser device to the second switching state, detects a mark disposed immediately behind
10 the reading position, and switches the power control system to the first switching state.

15 5. An analysis disc which can reproduce and trace a pit or groove and has a data area for controlling rotation of the disc and a reading area having an analysis object disposed therein, wherein

20 a mark is recorded, over a radial direction of the reading area, at a position immediately in front of the reading area in a rotation direction, the analysis object being disposed in the reading area.

25 6. An analysis disc which can reproduce and trace a pit or groove and has a data area for controlling rotation of the disc and a reading area having an analysis object disposed therein, wherein

30 marks are recorded, over a radial direction of the reading area, at positions immediately in front of and behind the reading area in a rotation direction, the analysis object being disposed in the reading area.